

IMPLEMENTATION PLAN STRATEGY

Crenshaw Corridor Transit Linkages Project (CCTLTP)



OVERVIEW

This plan outlines a set of recommendations that encourage pedestrians and bicyclists to walk and bike to and from three stops along the newly approved Los Angeles Metropolitan District (LA Metro) - Crenshaw/LAX Light Rail Transit Line (Crenshaw/LAX Line). This document provides strategies for implementing the recommendations from the Crenshaw Corridor Transit Linkage Project (CCTLTP). The recommendations are specific to “Walkability” and “Bike Access” around three CLCRT transit stations: 1. Slauson Avenue Station; 2. King Boulevard Station; and 3) Exposition Boulevard Station.

A large number of the recommendations will be implemented by LA Metro through the design/build process of the Crenshaw/LAX Line over the next three years. Other coordination will occur with State, County, and local governmental agencies, including, but not limited to , Los Angeles Department of Transportation (LADOT); Los Angeles Board of Public Works (BPW); California Department of Transportation (Cal-Trans); and the California Public Utilities Commission (CPUC).



CCTLTP GOALS

This plan is developed around the following goals:

Goal One

Improve the safety of pedestrians and bicyclists within the ½ mile radius of the each of the three transit Crenshaw/LAX transit stops.

Goal Two

Contribute to the increase in LA Metro ridership of the Crenshaw/LAX line by improving accessibility for pedestrians and bicyclists.

Goal Three

Give youth the opportunity to participate and contribute to the process of creating transit linkages for pedestrians and bicyclists.

Goal Four

Develop an innovative and replicable process for Community Engagement in an urban community.

Goal Five

Place pedestrians, bicyclists, and transit users as top priorities in planning and designing stations into LA Metro’s institutional culture through the integration of this user hierarchy in the planning of the Crenshaw/LAX line.



IMPLEMENTATION TIMELINE

The recommendations in the CCTLP Transit Linkages Plan, combined with the Implementation Plan and Funding List are designed to achieve the aforementioned goals.

A detailed implementation plan table is provided herein.

The Implementation Plan Table details a general timeframe for achieving the Recommendations for each of the transit stops at Slauson Avenue, King Boulevard, and Exposition Boulevard. The Optional Vernon Avenue / Leimert Park Village Station is included in the timeframe as two recommendations, which are to 1) make it a permanent stop on the Crenshaw / LAX Line and 2) implement the recommendations in conjunction with the other three transit stops over the next three years.

Priority Recommendations

Early Start Recommendations

(0-18 Months)

Early action recommendation items are action items for which there are relatively few barriers for implementation. These items include high-priority, low capital improvements, as well as, recommendations with policy implications. In some cases, short-term recommendations provide necessary support for longer-term recommendations.

The Early Start on these recommendations will aid in raising awareness of the issue and start the process for addressing the community's concerns. This will go a long way in keeping the community stakeholders engaged in the process.

Short-term Recommendations

(0-3 Years)

Short-term recommendations are those that may require more resources and time to accomplish than the Early Start Recommendations. However, they can still be addressed within a short time horizon (0-3) years. Many are critical to actualizing the established goals of this plan.

Medium and Long-Term Recommendations

(3+ Years)

The CCTLP Implementation Plan also highlights medium and long-term recommendations to improve pedestrian and bicycle access to the three targeted stations in the CCTLP Plan. These could be extended to other stops in any LA Metro Light Rail Transit Project. These recommendations are very important to fully achieve the goals set out in this plan. However, by their nature these improvements are likely to require an on-going commitment of funding and policy advocacy. While implementation will take longer, the opportunities for implementation may occur sooner for these set of recommendations due to the availability of funding and the political will. LA Metro, other government agencies, and community stakeholders should take advantage of these opportunities as they arise.



Slauson Avenue Station IMPLEMENTATION TIMELINE

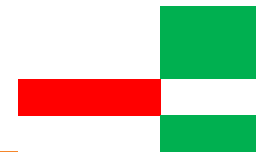
Crenshaw Corridor Transit Linkage Project IMPLEMENTATION TIMELINE

Slauson Avenue Station Recommendations

0-18 months 0-3 Years 3+ Years

Bike Lane Recommendations

- 1.1 Develop Bike Lane on Crenshaw Boulevard and Slauson Avenue
- 1.2 Develop Bike Lanes on Slauson Avenue collector streets
- 1.3 Develop Bike Lanes and Bike Boulevards Around Crenshaw High School
- 1.4 Install Bicycle Box at Crenshaw Blvd and Slauson Avenue Intersections



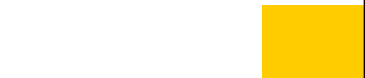
Bike Wayfinding

- 2.1 Install Bike Signage and Wayfinding Signage in conjunction with Bike Lanes
- 2.2 Adjust Bike Signage and Wayfinding Signage Height



Bicycle Facilities

- 3.1 Develop Bike Parking, Storage and Repair Facilities at existing City parking lot - 51st St. & 11th Ave.
- 3.2 Make Slauson Avenue Station Bike Facilities "Full Service" with innovative designs



Bicycle Safety

- 4.1 Install Smart Crosswalks near schools and intersections with a history of pedestrian accidents



Walkability

- 1.1 Install pedestrian refuge in crosswalks to protect pedestrians from motorized traffic
- 1.2 Install high-visibility crosswalks on collector streets



Walkability - Street Furniture

- 2.1 Install street furniture that enhances the pedestrian and transit experience



Walkability - Wayfinding

- 3.1 Install wayfinding signs that point out pedestrian paths and routes



King Boulevard Station IMPLEMENTATION TIMELINE

Crenshaw Corridor Transit Linkage Project IMPLEMENTATION TIMELINE

King Boulevard Station Recommendations

Bike Lane Recommendations

- 1.1 Install Bike Lanes that connect the Slauson Avenue Station to the King Boulevard Station
- 1.2 Install Bike Lanes on King Boulevard east of Crenshaw Blvd. and collector streets creating a bike network
- 1.3 Install Bicycle Boulevard around the perimeter of Audubon Middle School
- 1.4 Install Bicycle Box at Crenshaw Blvd and King Boulevard Intersections

0 to 18 months

0-3 Years

3+ Years

Bike Wayfinding

- 2.1 Install Bike Signage and Wayfinding Signage in conjunction with Bike Lanes
- 2.2 Adjust Bike Signage and Wayfinding Signage Height
- 2.3 Install Bike Route and Signage connecting King Blvd Station west to Dorsey H.S./Rancho Cienega Park

Bicycle Facilities

- 3.1 Develop Bike Parking, Storage and Repair Facilities at King Blvd Station

Bicycle Safety

- 4.1 Develop Bicycle Safety Campaign, e.g. "Give me 3" campaign - motorized vs. bike distance

Walkability

- 1.1 Install pedestrian refuge in crosswalks to protect pedestrians from motorized traffic
- 1.2 Stripe the pedestrian crosswalk street markers with reflective colors

Walkability - Street Furniture

- 2.1 Install canopy shade trees and covered bus benches with solar energy.

Walkability - Wayfinding

- 3.1 Install co-located pedestrian path from Dorsey High School to Audubon Middle School along King Blvd.

Exposition Boulevard Station IMPLEMENTATION TIMELINE

Crenshaw Corridor Transit Linkage Project

IMPLEMENTATION TIMELINE

Exposition Boulevard Station Recommendations

Bike Lane Recommendations

0-18 Months

0-3 Years

3+ Years

1.1 Install Bike Lanes on Exposition Blvd and collector streets

1.2 Install Bike Lanes that connect to the King Boulevard Station and Slauson Avenue Station

1.3 Install Bicycle buffers to prevent hazards to bicyclists

Bike Wayfinding

2.1 Avoid bicycle hazards by placing the bike lanes in the appropriate place on the road

2.2 Install Bike Route and Signage connecting King Blvd Station west to Dorsey H.S./Rancho Cienega Park

Bicycle Facilities

3.1 Develop Bike Parking, Storage and Repair Facilities at Exposition Boulevard Station

Bicycle Safety

4.1 Develop Bicycle Safety Campaign, e.g. "Give me 3" campaign - motorized vs. bike distance

Walkability

1.1 Install pedestrian refuge in crosswalks to protect pedestrians from motorized traffic

1.2 Stripe the pedestrian crosswalk street markers with reflective colors

Walkability - Street Furniture

2.1 Install canopy shade trees and covered bus benches with solar energy.

Walkability - Wayfinding

3.1 Install co-located pedestrian path from Dorsey High School to Audubon Middle School along Exposition Blvd

Funding Sources

for Crenshaw Corridor Transit Linkages Project (CCTLP) Recommendations

SUMMARY

This Crenshaw Corridor Transit Linkages Project Plan is being finalized at a time when a major source of funding is ready and available: Crenshaw LAX Lt Rail Transit Line Design Build Project of LA Metro^[1]. Active transportation multimodal improvements are properly integrated in the Crenshaw LAX Lt Rail Transit project.^[2]

Due to the CCTLP community engagement feeding into the LA Metro Crenshaw LAX Lt Rail Project, many CCTLP recommendations have already been accepted and incorporated into the LA Metro LAX Crenshaw FEIR and the subsequent Design Build RFQ.^[3] Others,^[4] LA Metro has agreed to incorporate in the Crenshaw LAX Design Build Project RFQ (“Crenshaw LAX LA Metro”), including high visibility crosswalk markings along the Crenshaw LAX Rail project alignment.

Most CCTLP recommendations are 1) within ½ mile of the Crenshaw LAX Rail Stations, 2) active, multi-modal transportation rail station direct linkages, eligible for inclusion in the LA Metro Lt. Rail project and 3) already incorporated in or fundable and includable within Crenshaw LAX LA Metro project.



^[1] LA Metro Crenshaw LAX Light Rail Transit Line Design Build Project, www.lametro.org/

^[2] Consistent with USDOT FTA, SAFETEA-LU and ADA/PROWAG federal, State of California and local LA Metro/City of LA multi-modal, complete streets, routine accommodation funding guidelines

^[3] See LA METRO Crenshaw LAX Project, FEIR and Design Build RFQ, www.lametro.org

^[4] For example, at a December 21, 2011, meeting LA Metro’s Crenshaw LAX Project Manager Rob Ball, considering CCTLP Recommendations, agreed to incorporate the high visibility crosswalk markings in the LA METRO Crenshaw LAX Lt Rail Transit Project. He and his project staff further agreed to review and consider other CCTLP recommendations with LA DOT and others. The recommendations for upgrades to the LA Metro Crenshaw LAX Design Build RFQ, which LA Metro agreed to review, are attached as Appendix _____. Dec. 21, 2011, meeting agenda which included CCTLP recommendation consideration is attached as Appendix _____

Funding Sources: Listserves and Websites

Listservs and Websites: Announcements of Funding Availability

- Federal: www.grants.gov and www.fedbizops.gov: all RFPs from federal agencies are posted here. Can set up email alerts to receive RFPs from specific agencies.
- Community of science: <http://fundingopps.cos.com/>: This is a subscription service that lists all RFPs from all foundations. Individual subscriptions are free.
- IRIS: subscription service, available only to colleges and universities.
- The Foundation Center: <http://foundationcenter.org/> : Funding resource for non profits. This provides weekly updates on current RFPs.
- The National Center for Environmental Research: <http://epa.gov/ncer/listserv/> sends out listserv announcements announcing new funding opportunities.
- Government, Nonprofit, Corporate & Private Funding Information Announcement Resources
 - 1.California WALKS, www.californiawalks.org
 - 2.California Bicycle Coalition, www.calbike.org
 - 3.Transportation for America, www.t4a.org
 - 4.America WALKS, www.americawalks.org
 - 5.America Bikes
 - 6.Rails to Trails Conservancy. www.railstotrails.org
 - 7.Safe Routes to School National Partnership. <http://www.saferoutespartnership.org/>

Funding Sources: Federal Government

Funding Sources: Government

- Federal Government **(see attached for breakdown of eligible expenditures from each funding source)**
 - 1.Partnership for Sustainable Communities Livability Initiative: Housing and Urban Development (HUD)-Department of Transportation (DOT)-Environmental Protection Agency (EPA) (<http://www.epa.gov/smartgrowth/partnership/>)
 - 2.Department of Transportation:
 - a.Tiger II Planning Sites (DOT)
 - i.Choice Neighborhood Grants (HUD)
 - ii.Sustainable Communities (HUD)
 - b.National Highway Traffic Safety Administration.
 - c.Federal Highway Administration, <http://www.fhwa.dot.gov/environment/bikeped/bp-guid.htm>
 - d.Safe Routes to Schools (federal program) administered by state, see Caltrans
 - e.Transportation Enhancements, administered by state, see Caltrans
 - f.FTA
 - g.Tiger II Planning Sites (DOT)
 - 1.Center for Disease Control (CDC). <http://www.cdc.gov/Features/HealthyCommunities/>
 - h.Steps to Healthier US
 - i.Strategic Alliance for Health
 - j.Communities Creating Healthy Environments
 - k.Communities Putting Prevention to Work (CPPW)
 - l.Pioneering Healthier Communities
 - m.Promise Neighborhoods (private foundations only?)
 - n.REACH
 - 3.Housing and Urban Development (HUD)
 - a.Sustainable Communities
 - 1.Environmental Protection Agency. <http://epa.gov/ncer/listserv/>
 - b.The Partnership for Sustainable Communities <http://www.epa.gov/smartgrowth/partnership/#background>
 - c.Smart Growth Sites (EPA) <http://www.epa.gov/smartgrowth/partnership>
 - d.Sustainable Communities Building Blocks <http://www.epa.gov/smartgrowth/buildingblocks.htm>
 - e.Community Action for a Renewed Environment (CARE) Program <http://www.epa.gov/care/index.htm>
- Environmental Justice Small Grants Program <http://www.epa.gov/environmentaljustice/grants/ej-smgrants.html>

Funding Sources: Listserves and Websites

•State Government

1. California Office of Traffic Safety http://www.ots.ca.gov/grants/Program_Information/default.asp
 2. California Department of Transportation [CalTRANS] <http://www.dot.ca.gov/hq/tpp/grants.html>
 - a. Caltrans Community –Based Transportation Planning Grants
- Safe Routes to School (federal and state programs)
 - HSIP – Highway Safety Improvement Program
 - Transportation Enhancements
 - Bicycle Transportation Account
 - Pedestrian Transportation Account
 - Strategic Highway Safety Plan – Challenge Area 8 & 13 – State Highway Complete Streets standards may require recommended improvements within roadway/sidewalk maintenance/repair, signal/signage projects upgrade
 - ADA Infrastructure Program
 1. California Strategic Growth Council. http://www.sgc.ca.gov/planning_grants.html
 2. California Department of Public Health: Kids' Plates. <http://www.kidsplates.org/Foundations>

•Region

1. LA Metro
 - a. Crenshaw-LAX Rail project (See Section I)
 - b. Safe Routes to School program,
2. SCAG
 - a. Regional Bicycle-Pedestrian Program
 - b. Region

•County of Los Angeles

3. Department of Transportation
4. Department of Public Health
5. Safe Routes to School program

•City of Los Angeles

1. City of Los Angeles: LA Dept of Transportation
 - a. Maintenance/Repair/Replacement : Pavement, Lighting, Signage, Sidewalks, Crosswalks
 - b. ADA Transition retrofit
 - c. Trash, Loose Aggressive Dogs, Graffiti Removal
2. GRYD
3. Safe Routes to School Program

Funding Sources: Foundations

•Foundations and other non-governmental funding opportunities

1. Robert Wood Johnson Foundation-

- a. Active Living Research: <http://www.activelivingresearch.org/grantsearch/grantopportunities/current>
- b. Active Living by Design (ALbD)
- c. Pioneering Healthier Communities - Statewide (RWJF)
- d. Healthy Eating by Design (RWJF)
- e. Healthy Eating Research (RWJF)
- f. Other Robert Wood Johnson Foundation

2. W.K. Kellogg Foundation

- a. Food and Fitness (WKKF)
- b. Other W.K. Kellogg Foundation
 - 1. The California Endowment (TCE): http://www.calendow.org/grant_guide/
- c. Building Healthy Communities
- d. Health Happens Here!

•Ford Foundation

•Funders' Network for Smart Growth

•Easter Seals (

•Pedestrian Bicycle Information Center, www.pedbikeinfo.org

•Safe Routes to School National Center,

•Kaiser Permanente – Thrive and Everybody Walk! Campaigns

- a. Community Based Initiative (CBI)

•Local area foundations California Community Foundation, San Francisco Foundation, East Bay Community Foundation, San Diego Foundation, etc.)

Funding Sources: Other Sources

•Other Sources:

1. Corporate Funds
 - a. Bike Belong Foundation (Bike manufacturers)
 - b. Nemours
- a. Service Based Organizations
 - a. Chamber of Commerce
 - b. Lions, Kiwanis, Moose,
1. Faith-Based Advocacy
 - a. Fame Center Foundation – LA
 - b. Gamaliel CA
2. Fee for service
3. Fundraising
 - a. Health insurance company
 - b. Blue Cross Blue Shield
4. Independent
5. Other **Possible funding sources** *[\[1\]](#)

ACHIEVE

Action for Healthy Kids (AHK)

African American Collaborative Obesity Research Network

Alliance for a Healthier Generation

Beacon Communities (HHS)

Big Cities (NACCHO)

Bridging the Gap

Campaign for Healthier Children

Center to Prevent Childhood Obesity

Food Marketing and Youth

Healthy Schools Program

California Convergence (Local/Regional)

Mobilizing Health Care Professionals (NICHQ)

National Policy and Legal Analysis Network for Childhood Obesity Prevention

Salud America!

Save the Children

[\[1\]](#) Thanks to California Convergence for this and other funding information

Funding Sources: FHWA

	NHS (Natl Highway Sys)	STP (Surface Transportation Plan)	HSIP (Highway Safety Improvement Program)	SRTS (Safe Routes to School)	TEA (Transit Enhancements)	CMAQ (Congestion Mitigation/Air Qlty)	RTP (Recreational Trails Program)	FTA (Federal Transit Capital)	TE (Transit Enhancements)	BRI (Bridge)	402 (State & Community Traffic Safety Programs)	PLA (State/Metropolitan Planning Funds)	TCSP (Transpntn & Community and System Preservn Pilot Program)	JOBS (Acces to Jobs/Reverse Commute Program)	FLH (Federal Lands Highway Program)	BYW (Scenic Byways)
Bicycle and pedestrian plan		*				*						*	*			
Bicycle lanes on roadway	*	*	*	*	*	*		*	*	*					*	*
Paved Shoulders	*	*	*	*	*	*				*					*	*
Signed bike route	*	*		*	*	*									*	*
Shared use path/trail	*	*		*	*	*	*			*					*	*
Single track hike/bike trail	FHWA Guidance on Federal Level Bicycle and Pedestrian Funding Opportunities http://www.fhwa.dot.gov/environment/bikeped/bp-guid.htm															
Spot improvement program																
		*	*	*	*	*										
Maps		*		*		*					*					
Bike racks on buses		*			*	*		*	*							
Bicycle parking facilities		*		*	*	*		*	*							*
Trail/highway intersection	*	*	*	*	*	*	*								*	*
Bicycle storage/service center																
		*		*	*	*		*	*				*	*		
Sidewalks, new or retrofit	*	*	*	*	*	*		*	*	*					*	*
Crosswalks, new or retrofit	*	*	*	*	*	*		*	*						*	*
Signal improvements	*	*	*	*	*	*										
Curb cuts and ramps	*	*	*	*	*	*										
Traffic calming		*	*	*									*			
Coordinator positions/programs																
		*		*		*							*			
Safety/education position		*		*		*					*					
Police Patrol		*		*							*					
Helmet Promotion		*		*	*						*					
Safety brochure/book		*		*	*	*	*				*					

Funding Sources: State Level

State Level Bicycle and Pedestrian Funding Opportunities

	NHS (Nat'l Highway Sys)	STP (Surface Transportation Plan)	HSIP (Highway Safety Improvement Program)	SRTS (Safe Routes to School)	TEA (Transit Enhancements)	CMAQ (Congestion Mitigation/Air Qlty)	RTP (Recreational Trails Program)	FTA (Federal Transit Capital)	TE (Transit Enhancements)	BRI (Bridge)	402 (State & Community Traffic Safety Programs)	PLA (State/Metropolitan Planning Funds)	TCSP (Transp'n & Community and System Preserv'n Pilot Program)	JOBS (Access to Jobs/Reverse Commute Program)	FLH (Federal Lands Highway Program)	BYW (Scenic Byways)
Bicycle and pedestrian plan		*				*						*	*			
Bicycle lanes on roadway	*	*	*	*	*	*		*	*	*					*	*
Paved Shoulders	*	*	*	*	*	*				*					*	*
Signed bike route	*	*		*											*	*
Shared use path/trail	*	*		*	*	*	*			*					*	*
Single track hike/bike trail							*									
Spot improvement program																
		*	*	*	*	*										
Maps		*		*		*					*					
Bike racks on buses		*			*	*		*	*							
Bicycle parking facilities		*		*	*	*		*	*							*
Trail/highway intersection	*	*	*	*	*	*	*								*	*
Bicycle storage/service center																
		*		*	*	*		*	*				*	*		
Sidewalks, new or retrofit	*	*	*	*	*	*		*	*	*					*	*
Crosswalks, new or retrofit	*	*	*	*	*	*		*	*						*	*
Signal improvements	*	*	*	*	*	*										
Curb cuts and ramps	*	*	*	*	*	*										
Traffic calming		*	*	*									*			
Coordinator positions/programs																
		*		*		*							*			
Safety/education position		*		*		*					*					
Police Patrol		*		*							*					
Helmet Promotion		*		*	*						*					
Safety brochure/book		*		*	*	*	*				*					